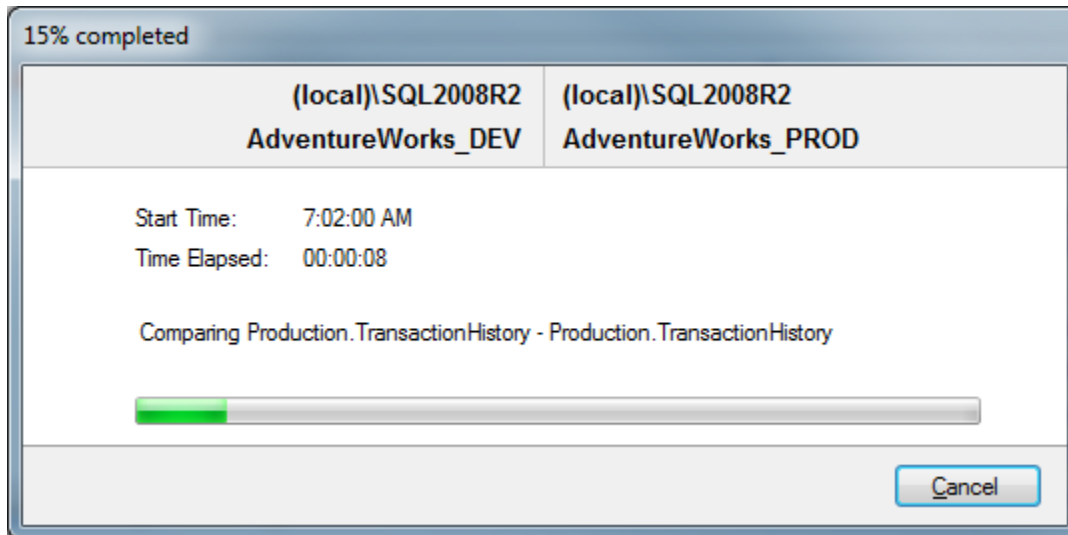


SQL Data Compare Comparing Data

After completing the preparation phase of the comparison you are ready to compare the data in all those mapped objects (tables and views). To start the comparison either click on the **Compare Data** button on the ribbon (under the Review Comparison tab) or click on the **Compare Data** on the right panel of the Mapped Objects window. A progress window displays the start time, elapsed time and the names of the objects being compared. If you cancel the comparison operation IDERA SQL Data Compare will display partial comparison results.



On completion of the data compare operation the results are displayed on a new window called "Comparison Result" within that comparison session's tab. The "Comparison Result" window is divided into five sections:

1. **Comparison summary.** Displays the list of table/view pairs that were compared indicating the total number of rows on each of the tables in the pair, the number of rows that were found to be equal ("Equal Rows"), number of rows that were found only on the left/right table/view and could not be paired with a corresponding row on the right/left table/view ("Left Rows", "Right Rows"), and number of rows that exist in both the left and the right table/view but have at least one column that contains a different value on the left table/view from the right.

Notes on the comparison summary grid:

- Database objects that have some differences are displayed in bold.
- The check box, which indicates whether the a pair of objects can be synchronized, appears only for the object that have a valid data compare key and for which the comparison completed without error.
- If the comparison is interrupted, SQL Data Compare displays the result of the process up to the point of cancellation and marks the objects that were not compared with a question mark.
- In the comparison summary grid, an invalid object is considered an object without a valid key.

2. **Comparison details.** When you select a pair of objects that were found to be different in the comparison results grid, depending on the differences found one to three tabs will appear on the bottom section of the Comparison Results window: Left Rows, Right Rows, and Different Rows. For the different rows the paired columns from both tables are shown

next two each other so that you can easily see the differences. You can zoom in on a particular row to take a closer look - right click on the row you wish to inspect and click on **View Row Details**.

Notes on details grid:

- Columns colored in the light-blue represent columns that participate in the selected data key for that particular table or view. The key label appears in the column header as well.
 - Cells colored in orange represent data that found different.
 - The grey shades that alternate between columns are for displaying purposes only to distinguish between pairs of mapped columns.
 - By default rows that are equal are not displayed in the row grid unless the data comparison option **Report rows that are equal** is checked.
- Generate synchronization script.** Those links will trigger the generation of the synchronization script for one direction or the other.
 - Comparison action links.** The action items provided in this section are also available on the Review Comparison tab of the ribbon. Clicking on the **Refresh Results** link will trigger a re-compare of the data.
 - Legend.** Provides a list of symbols used in the data compare results grid. The first two symbols, Database table and Database view are used in the first column which is unnamed and indicate whether the objects in that pair are tables or indexed views. The other three symbols are used in the **Status** column to indicate cases when the pair of objects was not included in the comparison.

The screenshot displays the IDERA SQL Comparison Toolset interface. The main window shows a comparison between two SQL2008 databases: AdventureWorks and AdventureWorks_DEV. The interface includes a ribbon with 'Home', 'Review Comparison', and 'Synchronize' tabs. The main area displays a 'Comparison Result' grid with columns for Status, Sync, Left Owner, Left Name, Right Name, and Right Owner. A 'Different Rows' section at the bottom shows a detailed comparison of data rows, with columns for (3), LastName, Suffix, EmailAddress, EmailPromotion, and Phone. The interface also features a 'Mapped Objects' section on the left and a 'Generate script for' section on the right. A legend at the bottom right explains the symbols used in the comparison grid.

Status	Sync	Left Owner	Left Name	Right Name	Right Owner
		dbo	AWBuildVersion	AWBuildVersion	dbo
		dbo	DatabaseLog	DatabaseLog	dbo
		dbo	ErrorLog	ErrorLog	dbo
		HumanResources	Department	Department	HumanResources
		HumanResources	Employee	Employee	HumanResources
		HumanResources	EmployeeAddress	EmployeeAddress	HumanResources
		HumanResources	EmployeeDepartmentHistory	EmployeeDepartmentHistory	HumanResources
		HumanResources	EmployeePayHistory	EmployeePayHistory	HumanResources
		HumanResources	JobCandidate	JobCandidate	HumanResources
		HumanResources	Shift	Shift	HumanResources
		Person	Address	Address	Person
		Person	AddressType	AddressType	Person
		Person	Contact	Contact	Person
		Person	ContactType	ContactType	Person
		Person	CountryRegion	CountryRegion	Person

(3)	LastName	LastName	Suffix	Suffix	EmailAddress	EmailAddress	EmailPromotion	EmailPromotion	Phone	Phone
1	Adina	Adina	Null	Null	ronald0@yahoo.com	ronald0@adventure...	0	0	541-223-0145	453-555-0145
2	Agcaoli	Agcaoli	Null	Null	samuel0@google.com	samuel0@adventure...	0	0	991-555-4587	554-555-0145
3	Alameda	Alameda	Null	Null	lili0@adventure...	lili0@adventure...	1	1	492-555-0189	1 (1) 500

Total compare from data to schema with IDERA [SQL Comparison Toolset](#). [Learn more](#) > >

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